

SEQUENCE LISTING

<110> Allen, Keith D.

<120> TRANSGENIC MICE CONTAINING RPTPB
TYROSINE PHOSPHATASE GENE DISRUPTIONS

<130> R-741

<150> US 60/251,897

<151> 2000-12-06

<150> US 60/302,260

<151> 2001-06-28

<160> 3

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1752

<212> DNA

<213> Mus musculus

<400> 1

```
gtcaaggaag aggtacctgg tgtccatcaa ggtgcagtcg gccggcatga ccagtgagggt 60
ggttgaagat agcaccatca ccatgataga ccgcccgcct caaccgcctc cacacatccg 120
tgtgaatgaa aaggatgtgc taatcagcaa atcttccatc aactttactg tcaactgcag 180
ctgggttcagc gacaccaacg gagcgggttg gtactttgct gtggtggtga gagaggccga 240
cagcatggat gagttgaagc cagaacagca gcacctctc ccttcctacc tggagtacag 300
acacaacgcc tccatccgag tctaccagac caattatatt gccagcaaat gtgctgaaag 360
tcccgacagc agtttctaaaa gtttcaacat taagcttga gcagagatgg acagcctcgg 420
tggcaaatgt gatcccagtc agcagaaatt ctgtgatgga ccgctgttgc cacacaccgc 480
ctacagaatc agcatccggg cttttacaca gctatttgac gaggacttga aagagttcac 540
caaacctctc tactcggata cgttcttctc tatgccatc accacagagt cagagccctt 600
gtttggagtt attgaagtg tgagtgttg cctgtttcta attggcatgc tggtgccct 660
gtgtgccttc ttcattctgca gacagaaagc tagccacagc agggaaaggc catctgccc 720
gctcagcatt cgtagggacc ggcctttgtc tgtccatctg aatctgggac agaaaggcaa 780
ccggaaaact tcttgcccca taaagatcaa tcagtttgaa gggcatttca tgaagctgca 840
ggcagactcc aactaccttc tatccaagga atatgaggac taaaagacg tgggtagaag 900
ccagtcattg gatattgcc tcttgctga gaatcgaggg aaaaatcgat acaacaacat 960
attgccttat gatgcctcaa gagtgaagct ctggaatgtc gatgacgacc cttgctctga 1020
ctacatcaac gccagctaca tccccggtaa caacttcaga cgagaatata tcgccactca 1080
gggaccgctt ccaggcacca aggatgactt ctggaagatg gcgtgggagc agaacgttca 1140
caacatcgtc atggtgacct agtgtgttg aaagggccga gtgaagtgtg accattactg 1200
gccagcagac caggaccccc tctactacgg tgatctcatc ctacagatgg tctcggagtc 1260
cgtgctcccc gattggacca tcagggagtt taagatatgc agtgaagaac agttggatgc 1320
acacagactc atccgtcact tctactacac ggtgtggcca gaccatgggg tcccagagac 1380
caccagtcct ctgatccaat ttgtgaggac agtcagggac tacatcaaca gaagccccgg 1440
ggctgggccc tccgtagtgc actgcagcgc tgggtgtggc agaacaggga cgttcgttgc 1500
cctggaccgg atcctccagc agttggactc taaggactcc gtggacattt atggggcagt 1560
gcatgacctc agactccaca ggttcacat ggtccagacc gagtgtcaat atgtgtatct 1620
gcatcagtg gtaagagacg tctcagagca aagaaaactg ggaaacgagc aagagaaagg 1680
gggtgtttcg atttatgaga atgtgaatca gagtatcaca gagatgcaat ctactcgaga 1740
cattaagaat tc                                     1752
```

<210> 2

<211> 200

<212> DNA

<213> Artificial Sequence

<220>

<223> Targeting Vector

<400> 2

```
gccgccccca gaactccacg gccattgcct gctcttggat acctcctgac tccgactttg 60
atggctacag cattgagtgc cgaaaaatgg ataccaaga aatcgagttt tccagaaagc 120
tggagaaaga aaaatcactg ctcaacatca tgatgttagt acctcataag aggtacctgg 180
tgtccatcaa ggtgcagtcg                                     200
```

<210> 3

<211> 200

<212> DNA

<213> Artificial Sequence

<220>

<223> Targeting Vector

<400> 3

```
ggatgagttg aagccagaac agcagcaccc tctcccttcc tacctggagt acagacacaa 60
cgcctccatc cgagtctacc agaccaatta ttttgccagc aaatgtgctg aaagtcccga 120
cagcagttct aaaagtttca acattaagct tggagcagag atggacagcc tcggtggcaa 180
atgtgatccc agtcagcaga                                     200
```